

METHOD FOR MONITORING PRODUCTION OF
PIXEL DETECTORS AND DETECTORS
PRODUCED THEREBY

ABSTRACT OF THE DISCLOSURE

A method for monitoring the quality of a manufacturing process for making detector panels that have a plurality of pixels in a two-dimensional array includes, in each detector panel, manufacturing a set of baseline pixels and a set of test pixels. Each test pixel has an electrical component having a geometric dimension varied by an amount sufficient to introduce a measurable variation in a test that measures parameters of pixels that are dependent upon the varied dimension. The method further includes performing the test on the set of baseline pixels and the set of varied pixels, analyzing the results of the test, and adjusting parameters of the manufacturing process in accordance with the analysis.